7X7

7X7
DOUBLE DIODE—HIGH-MU TRIODE

GENERAL DATA

Electrical:

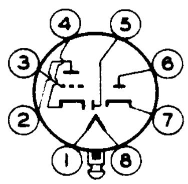
Heater, for Unipotential Cathodes:

Voltage	6.3□	ac or dc volts
Current	0.3□□	amp

Mechanical:

Mounting Position	Any
Maximum Overall Length	2-25/32"
Maximum Seated Length	2-1/4"
Maximum Diameter	1-3/16"
Bulb	T-9
Base	Lock-in 8-Pin
Basing Designation for BOTTOM VIEW	8BZ

Pin 1 - Heater
Pin 2 - Triode Plate
Pin 3 - Triode Grid
Pin 4 - Cathode (Triode & Diode No.1) Internal Shield



Pin 5 - Diode Plate No.1
Pin 6 - Diode Plate No.2
Pin 7 - Cathode (Diode No.2)
Pin 8 - Heater
Plug - Base Shell

TRIODE UNIT
AMPLIFIER - Class A_1

Maximum Ratings, ***Design-Center Values*****:**

PLATE VOLTAGE	300 max.	volts
PEAK HEATER-CATHODE VOLTAGE:		
Heater negative with respect to cathode	90 max.	volts
Heater positive with respect to cathode	90 max.	volts

Typical Operation and Characteristics:

Plate Voltage	100	250	volts
Grid Voltage	0	-1	volt
Amplification Factor	85	100	
Plate Resistance	85000	67000	ohms
Transconductance	1000	1500	µmhos
Plate Current	1.2	1.9	ma

DIODE UNITS - Two

The 7X7 differs from the usual twin-diode-triode in that diode No.2 has its own cathode, separate from that used for the triode and diode No.1.

□ Nominal voltage = 7.0 volts.

□□ Nominal current = 0.32 ampere.

TUBE DEPARTMENT
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY